

IN THE SPECIFICATION:

Please amend the paragraph starting at page 24, line 14 and ending at page 25, line 2, as follows:

*a1* --The objective lens 100 is required to have high contrast image dissection up to the spatial frequency range as high as the pixel pitch. The image pickup system 10 takes in three object images with regard to the three wavelength ranges, and thus, compared with an image pickup system provided with a mosaic optical filter such as of the Bayer Baiyer arrangement having the same number of pixels, as described ~~in the~~ above, the focal length is about  $1/\sqrt{3}$  times to attain the same image pickup angle. Therefore, it is necessary to materialize high contrast image dissection of higher spatial frequency component. The optimization with regard to the respective wavelengths of the lens portions described ~~in the~~ above is a technology for suppressing the chromatic aberration for the purpose of materializing this.--

Please amend the paragraph starting at page 33, line 9 and ending at line 24, as follows:

*a2* --In an optical filter arrangement such as the Bayer Baiyer arrangement, since, for example, a pixel provided with a red optical filter or a pixel provided with a blue optical filter is arranged between pixels provided with a green optical filter, an optical low-pass filter for suppressing aliasing is necessary. However, in a case in which of that images having different spectral distributions are taken in with regard to different image pickup regions, pixels provided with the respective optical filters can be densely arranged, and, as a result, the influence of the aliasing is small, and thus, a high definition image can be obtained without the need for an the optical low-pass filter. This makes it possible to miniaturize the image pickup system and to substantially lower the cost.--

Please amend the paragraph starting at page 47, line 4 and ending at line 13, as follows:

*a3*

--The image pickup system 190 takes in three object images with regard to the three wavelength ranges, and thus, compared with an image pickup system provided with a mosaic optical filter, filter such as of the Bayer Bayer arrangement having the same number of pixels, the focal length is about  $1/\sqrt{3}$  times to attain the same image pickup angle. Therefore, it is necessary to materialize image resolution resolution of higher spatial frequency component, component as described in the first embodiment.--